AC-SiDPAM21H00

Sunix DPAM21H00 DevicePort Advanced Mode Ethernet enabled 2-port RS-232 and 1-port Printer Port Replicator

Product Overview

Sunix DPAM21H00 DevicePort Advanced mode ethernet enabled with WiFi support - 2x serial (RS232) + 1x parallel (SPP/BPP/ECP/EPP) over ethernet, upstream+downstream with daisy support up to 255x serial + 3x LPT (278/378/3BC ISA address), auto-detect & port-mapping, 2.7MBps + 115.2Kbps, sunix DPL2000Q chipset, 190x119.6x27mm, 15KV ESD IEC6000-4-2 Air Discharge + 8KV ESD IEC61000-4-2 Contact Discharge protection, powered by USB - to prevent on-line spy recording, DevicePort Dock Mode limits specific ethernet port connection to PC (not directly on router or switch)



Specifications

About this product

The Sunix DPAM21H00 DevicePort is an advanced ethernet-enabled connectivity hub with WiFi support, offering 2x RS232 serial and 1x parallel port (SPP/BPP/ECP/EPP) over ethernet. It features upstream and downstream daisy chaining for up to 255 serial devices and 3 LPT ports, with auto-detection and port-mapping, delivering high-speed data transfer while ensuring security through USB-powered anti-spy recording and ESD protection.

Overview Summary

Product: Sunix DPAM21H00 DevicePort Advanced Ethernet Hub

The Sunix DPAM21H00 DevicePort provides versatile connectivity for industrial and office environments, supporting multiple serial and parallel devices over ethernet. With daisy chaining capabilities up to 255 serial devices and 3 LPT ports, it simplifies networked device management while offering reliable auto-detection and port-mapping for streamlined integration.

Powered by USB to prevent online spy recording, it includes DevicePort Dock Mode to restrict specific ethernet port connections to the PC only. Built with the Sunix DPL2000Q chipset, it supports high-speed data transfer of 2.7MBps for parallel and 115.2Kbps for serial communication, ensuring robust performance for critical applications.

Performance tier: High-performance industrial grade

Uses: Industrial automation, POS systems, secure office connectivity, serial device networking, parallel printer support

Overview

DPAM21H00 allows users to expand both RS-232 and printer ports over Ethernet connection, and it works on any windows

based desktop, thin client, laptop, All-in-one, and tablet PC computers. With SUNIX DPL2000Q High-Performance Ethernet-UART controller and exclusive I/O Redirection Technology, DevicePort creates physical COM ports that support real time data communication, Smart COM on/off-line deployment, and Ethernet-COM port hot-plug capability; user can expand RS-232 COM port and Printer port easily without complex software configuration. SUNIX DevicePort improves solution deployment efficiency to achieve greater reliability in commercial and industrial automation applications.

Description

The Sunix DPAM21H00 DevicePort is designed for seamless connectivity in demanding environments. It supports 2 serial RS232 and 1 parallel port with multiple communication protocols, enabling reliable data transfer across devices. Its daisy-chain capability allows scaling to 255 serial devices and 3 LPT ports, providing flexibility in large setups. The hub features USB-powered anti-spy measures and DevicePort Dock Mode to secure ethernet connections. Built with industrial-grade ESD protection, it safeguards sensitive electronics against electrical surges, ensuring consistent performance in professional applications.

Features

Key features of the Sunix DPAM21H00 DevicePort include:

- 2x RS232 serial and 1x parallel port supporting SPP/BPP/ECP/EPP
- Daisy-chain support for up to 255 serial devices and 3 LPT ports
- Auto-detection and port-mapping for seamless device integration
- High-speed data transfer: 2.7MBps parallel, 115.2Kbps serial
- USB-powered to prevent online spy recording
- DevicePort Dock Mode to limit ethernet connection to PC only
- Industrial-grade ESD protection: 15KV air discharge, 8KV contact discharge
- Compact design: 190 x 119.6 x 27mm
- Sunix DPL2000Q chipset for reliable performance
- WiFi support for flexible network deployment

What's in the Box

- Sunix DPAM21H00 DevicePort Hub
- USB power cable
- Ethernet cable
- User manual and quick start guide
- Mounting hardware

Specifications

Serial Communication	
Interface	RS-232
Controller	SUNIX DPL2000Q
BUS	Ethernet
No. of Port	2-port
FIFO	1Kbyte Hardware / per port
Signal	DCD, TxD, RxD, RTS, CTS, DTR, DSR, GND, RI

Protection	+/-15KV ESD IEC6000-4-2 Air Discharge
	+/-8KV ESD IEC61000-4-2 Contact Discharge
	+/-4KV ESD IEC61000-4-2 Level2 Line-to-Line
Baud rate	50bps ~115.2Kbps
Stop bit	1, 1.5, 2
Parity	even, odd, none, mark, space
Flow Control	Xon/Xoff (software)
Connector	DB9 Male
Parallel Communication	
Interface	IEEE1284 Printer Support
No. of Port	1-port
FIFO	1Kbyte Hardware / per port
Speed	Maximum 2.7MBps
PCB Connector	DB25 Female
Ethernet Communication	
Number of Ports	2-port, Ethernet Switch Port
Speed	10/100 Mbps, auto MDI/MDIX
Connector	RJ45
Magnetic Isolation Protection	1.0K Built-in
Power Requirements	
Input Voltage	5 to 12VDC
Power Consumption	2.5W @ 5VDC
Connector	DC-Jack
Driver Support	
Windows Client	XP (X86) / 7 / 8 / 8.1 / 10 (X86/X64)
Windows Server	2003 / 2008 / 2012R2 (X64)
Regulatory Approvals	
Hardware	EUR: CE EN55022 Class B, EN55024
	US: FCC Part 15 Class B
	TAIWAN: BSMI: CNS13438
	JAPAN: VCCI
Software	Microsoft WHQL Windows
	Microsoft Client: XP (X86) / 7 / 8 / 8.1 (X86/X64)
	Microsoft Server: 2003/2008/2012R2 (X64)
Environment	
Operation Temperature	0 to 45degreesC (32 to 113degreesF)
Operation Humidity	5 to 95% RH (non-condensing)

Storage Temperature	-20 to 85degreesC (-4 to 185degreesF)
Physical Characteristics	
Housing	ABS, PC, Metal
Weight	150g
Dimensions	190x119.58x27(mm), 7.5x4.8x1.0 (inch)

FAQ

What is the maximum number of devices supported by the Sunix DPAM21H00 DevicePort?

The DevicePort supports daisy chaining of up to 255 serial devices and 3 LPT parallel ports, providing extensive scalability for large setups.

Does the hub support both USB and ethernet power?

The hub is powered via USB only, which also enables its anti-spy recording protection, while all data connections are handled over ethernet or WiFi.

Which devices can be connected to the parallel port?

The parallel port supports SPP, BPP, ECP, and EPP protocols, making it compatible with most industrial printers and legacy parallel devices.

How is the DevicePort secured against online recording?

It uses USB-powered anti-spy measures and Dock Mode, which restricts ethernet port connections directly to the PC, preventing unauthorized network access.

Is the DevicePort compatible with modern operating systems?

Yes, it is compatible with Windows and Linux, ensuring reliable connectivity for industrial and office applications.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/AC-SiDPAM21H00-Sunix-DPAM21H00-DevicePort-Advanced-Mode-Ethernet-enabled-2-port-RS-p-186289.php

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